



Serial number 10/606,934

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

1. (CURRENTLY AMENDED) An apparatus to switch a paper feed direction of a paper for an image forming device having a frame, the apparatus comprising:
 - a paper feeding path of the paper;
 - a paper guide part disposed across the paper feeding path to be movable from an initial position to ~~an~~ operationpaper passing position;
 - a supporting part to rotatably fix the paper guide part to the frame of the image forming device;
 - an elastic restoring part to restore the paper guide part from the ~~operation~~paper passing position to the initial position; and
 - a restoring force blocking part on the supporting part to receive the elastic restoring part, the restoring force blocking part rotating with the paper guide part and the supporting part, the restoring force blocking part comprising a side which is not in contact with the elastic restoring part when the paper guide part has not rotated beyond a predetermined angle relative to the initial position, the side of the restoring force blocking part contacting and elastically deforming the elastic restoring part when the paper guide part rotates past the predetermined angle so that a force of the elastic restoring part acts on the paper guide part via the elastic restoring part and the supporting part only when the paper guide part fixed to the supporting part rotates beyond the predetermined angle.

2. (PREVIOUSLY PRESENTED) The apparatus according to claim 1, wherein the

elastic restoring part includes an elastic spring with a first end supported by the restoring force blocking part and a second end fixed to the frame, and the restoring force blocking part further includes a movable fixing part, the side being defined therein, to movably support the first end of the elastic spring to move within a predetermined range when the supporting part is rotated.

3. (PREVIOUSLY PRESENTED) The apparatus according to claim 2, wherein the movable fixing part includes a supporting groove, the side being defined therein, having a circular arc shape disposed at the supporting part with respect to a center of the supporting part to move the first end of the elastic spring within the predetermined range to prevent the paper guide part from being pushed against the paper until the paper guide part is rotated beyond the predetermined angle.

4. (PREVIOUSLY PRESENTED) The apparatus according to claim 3, further comprising:

a paper sensor; and

a sensor actuator disposed at the supporting part to operate the paper sensor disposed at the frame, the paper sensor sensing whether the paper has passed through the paper guide part.

5. (PREVIOUSLY PRESENTED) The apparatus according to claim 1, further comprising a lever to rotate the paper guide part fixed to the supporting part beyond the predetermined angle to remove a paper jam when the paper is blocked or jammed at the paper guide part.

6. (CURRENTLY AMENDED) The apparatus according to claim 5, wherein the initial position of the paper guide part is a position where the paper guide part is disposed across

the paper feeding path to guide the paper to a paper duplex path of the image forming device for a duplex printing, and the paper guide part is moveable between the initial position and a position when the lever rotates the paper guide part beyond the predetermined angle~~within an operation range which includes a first range where the paper guide part is rotated at the predetermined angle to discharge the paper to an outside of the image forming device through the paper feeding path and a second range where the paper guide part is rotated beyond the predetermined angle in order for the lever to remove the paper jam.~~

7. (CURRENTLY AMENDED) An apparatus comprising:

a guide to guide a paper at a first position and moveable to a second position to remove the paper during a paper jam;

a restoring unit to urge the guide towards the first position when the guide is at the second position; and

a blocking unit to position the restoring unit so that a force of the restoring unit acts on the guide only when the guide rotates beyond a predetermined angle relative to the first position.

8. (PREVIOUSLY PRESENTED) The apparatus according to claim 7, further comprising:

a developer to develop a first image on a first side of the paper;

a feed roller to feed the paper having the first image to the guide along a first path; and

a duplex roller to feed the paper having the first image along a second path after the paper passes the guide, wherein the developer develops a second image on a second side of the paper after being fed along the second path.

9-17. (CANCELLED)

18. (CURRENTLY AMENDED) The apparatus according to claim 7, further comprising a paper feeding path to feed the paper, wherein
said first position is a position of the guide~~where said guide is disposed across said paper feeding path to guide said paper~~ before said paper contacts said guide.

19-21. (CANCELLED)

22. (PREVIOUSLY PRESENTED) The apparatus according to claim 18, wherein the guide is moved from the first position to the predetermined angle by a force of the paper, and from the predetermined angle to the second position by an external force.

23. (PREVIOUSLY PRESENTED) The apparatus according to claim 7, wherein a force of said restoring unit urges the guide to move from the second position to the predetermined angle.

24. (CANCELLED)

25. (PREVIOUSLY PRESENTED) The apparatus according to claim 8, wherein the guide comprises a plurality of ribs each having a first side to guide the paper to the second path and a second side to discharge the paper after the second image is developed.

26. (PREVIOUSLY PRESENTED) The apparatus according to claim 25, wherein the ribs are sloped with respect to a plane that is perpendicular to a feed direction of the paper.

27. (PREVIOUSLY PRESENTED) The apparatus according to claim 23, wherein the restoring unit allows the guide to move between the first position and the second position when

activated by an external force, the external force including a first force moving the guide from the predetermined angle to the second position and a second force moving the guide from the second position to the first position.

28. (PREVIOUSLY PRESENTED) The apparatus according to claim 23, wherein the guide is moved from the predetermined angle to the first position only by a weight of the guide.

29. (CURRENTLY AMENDED) An apparatus comprising:

a guide to guide a paper, the paper moving the guide from ~~aan first~~initial position to a ~~second~~paper passing position while passing therethrough in an unjammed state, and the guide being moved by an external force to a ~~third~~paper jam removing position when the paper is jammed; and

a frame;

a supporting part to rotatably fix the guide to the frame; and

a restoring unit to urge said guide to move to the ~~second~~paper passing position from the ~~third~~paper jam removing position, ~~and thereby to allow the guide to move~~moving from the ~~second~~paper passing position to the ~~first~~initial position only by a weight of the guide by rotating relative to the frame according to the supporting part.